


GEORGE ENGELMANN BOTANICAL NOTEBOOKS

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Sep 19th 1912

1-2 miles

Introduced plants at Houghton, not
found at Illinois

Galeopsis Ladanum & Tetrahit

? Romanus sonii?

Lilium multiflorum
no Cottula!White Pine present 15-18 saplings
^{ash}12-20 cms thick, exuded resin from
every ring so that the concentric resin ~~tops~~
^{po} on old cuts (out what season?) may
show the rings. no exudation of resin
from the heart woodPine tree 5 feet high
at Houghton 13 inches diam.S.
S.
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Cultivated at Houghton, Mich
temp. between +100 & -40.-

Buxus sempervirens small var. very
fresh and good looking.

Syringa vulgaris, full of fruit, with
larger more luxuriant leaves, than I
ever saw it

Vitis labrusca (Isabella? or Concord?)

Vitis riparia (Clinton) well cultivated
and maturing in favorable seasons
berries now not larger than with us
in June, not full grown.

Q. rubra common on Bayfield - not distinguishable
from the Michigan tree. Bark dark purplish, smoother
young trunk & branches 4 to 6 inches diam.
and are smooth bark like those of - ~~Apple~~
but leaves and caps are entirely
those of rubra. In old trees the
bark is gray, and the tree is popularly
called gray oak and is the
only oak growing here and is highly
valued. grows on the hills, oft over 2
feet diameter.

In a plow at the Sawmill at Bayfield
I find 57 rings to 4 inches each
ring on an average less than 1 like
bark of a 2 foot trunk gray
and $\frac{3}{4}$ inch thick (Sporan brought home)

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Plants native about Houghton, Mich.

Arisaema sprouting from the base, and therefore not destroyed when cut down.
Thlaspi occidentalis, oft - fruit when very small
(*Myosoton*, *Bifolium*)

Rubus strigosus abundant - eaten now largely
Rubus odoratus or Wilkans?

Dunes - strand - at La Pointe, opposite Bayfield Lath. marit. - *Convolvulus* -
Polygonum corniculatum & ciliolatum - the latter rooting at end of branches in the sand. - *Juncus Baffinii*

In thickets, clumps - probably somewhat wet -
Silix lucida & S. Myrtale Rose Bladder
Sedge

In swamps behind the dunes *Myagrum*, *Collomia*,
Luzula canadensis & J. *Sagittaria* variabilis,
Typha - No *Spergularia* seen. - *Lysimachia stricta*,
Hypericum, *Celidiochele* - *Campion apenninus* -

no *Cyperus*, *Polygonum* found, nor *Salicornia*

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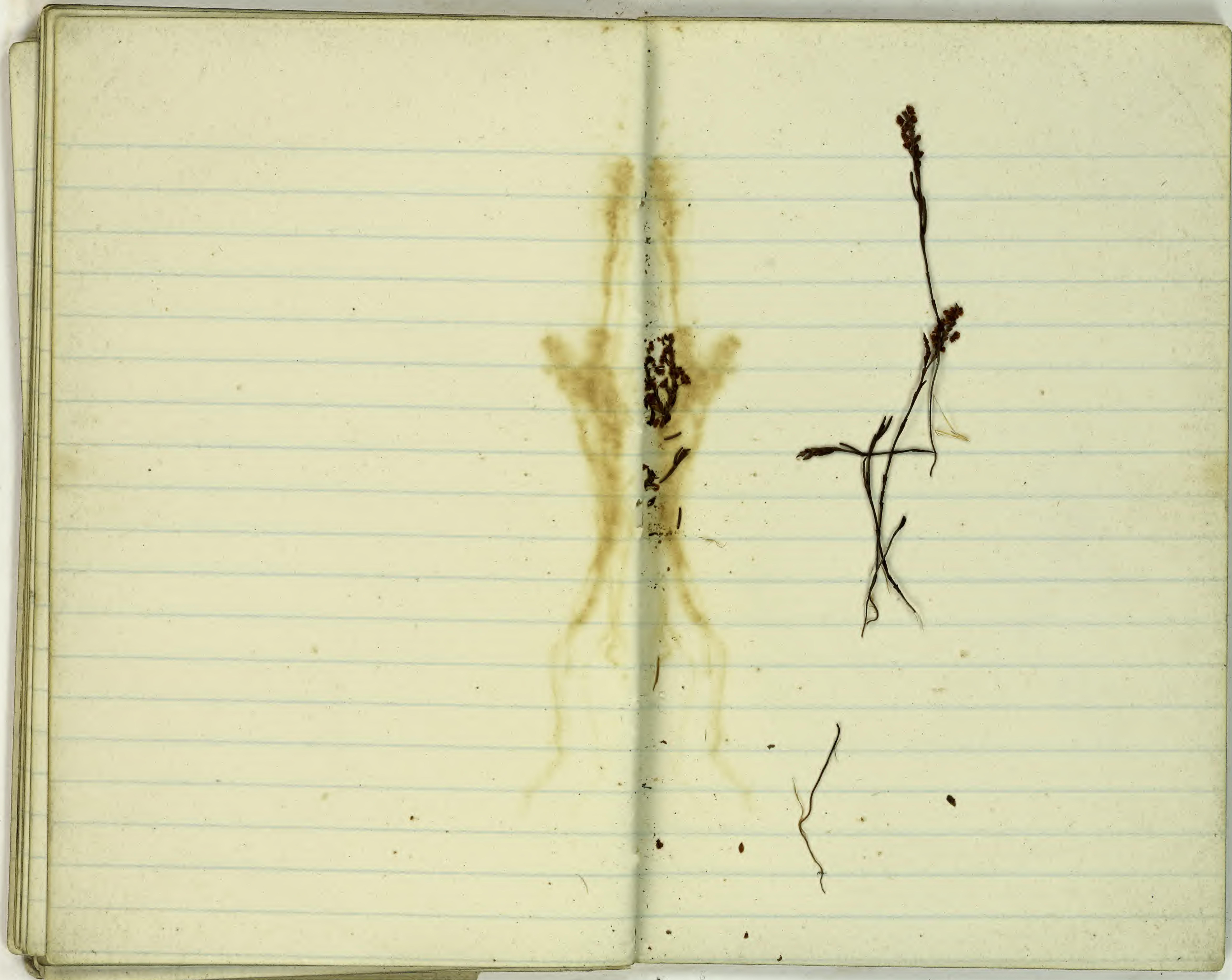
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
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